

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 62025139  
PUBLICATION DATE : 03-02-87

APPLICATION DATE : 24-07-85  
APPLICATION NUMBER : 60163305

APPLICANT : MITSUBISHI CHEM IND LTD;

INVENTOR : ITO MASAHIRO;

INT.CL. : C08L 23/06 // (C08L 23/06 , C08L 23:26 )

TITLE : MODIFIED POLYETHYLENE RESIN COMPOSITION

ABSTRACT : PURPOSE: To provide the titled composition composed of a high-pressure low-density polyethylene having specific flow properties and a graft-modified polyethylene having specific physical properties, and having high moldability and excellent adhesivity to polar resins.

CONSTITUTION: The objective resin composition having an MI of 0.05~50g/10min can be produced by compounding (A) a high-pressure low-density polyethylene satisfying the formulas  $EC \geq 20$  and  $0.1g/10min < MI < 50g/10min$  (EC is product of melt index MI and melt tension MT) and producible easily e.g. by autoclave method shifting the reaction conditions toward the high-temperature and high-pressure side and (B) a modified polyethylene produced by grafting acrylic acid or maleic acid to an ethylene- $\alpha$ -olefin copolymer having a density of 0.88~0.91g/cm<sup>3</sup>. The amount of grafted acrylic acid, etc., is 0.03~1wt% of the whole composition, and the ratio of A:B is (60~95):(40~5).

COPYRIGHT: (C)1987,JPO&Japio